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(54) Title: **REPAIR OF DAMAGED TISSUE ON A BONE SITE**

(57) Abstract: A repair kit (10) for use in the repair of damaged cartilage present at or on the surface of a bone site (20) in an animal or human, in which the damaged cartilage is removed from the site and a groove (25) is formed about the site and into the bone (20) prior to implantation of the repair kit (10), and said repair kit comprising: a pad (11) of bio-compatible material shaped and dimensioned to occupy at least part of the site from which the damaged tissue has been removed; elongate connecting portions (14) attached to the periphery of the pad (11) in an array corresponding in shape to the groove (25), said portions being intended to extend away from the general plane of the pad so as to be introduced into the groove and to be anchored therein; and a retaining element (26) slidable depthwise of the groove (25) in order to anchor at least some of the connecting portions (14) in the groove (25) and thereby locate and retain the pad (11) in said part of the bone site. There is also disclosed a method of preparation of the bone site prior to implantation, and also an implant delivery device (46), on which the repair kit can be temporarily stored, and which also serves to deliver the pad, the elongate connecting portions (14) and the retaining element (47) on to the prepared site.



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